

L Number	Hits	Search Text	DB	Time stamp
-	0	("multi-well").PN.	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/02 14:10
-	1932	multi-well	US-PGPUB; EPO; JPO; DERMENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/02 14:10
-	1417	multi-well WITH (plate OR apparatus)	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/02 14:11
-	13623	(multi-well WITH (plate OR apparatus)) OR (microtiter ADJ plate)	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/02 14:12
-	14028	(multi-well WITH (plate OR apparatus)) OR (microtiter WITH plate)	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/02 14:13
-	14841	((multi-well WITH (plate OR apparatus)) OR (microtiter WITH plate)) OR microreactor	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/02 14:13
-	5785	((multi-well WITH (plate OR apparatus)) OR (microtiter WITH plate)) OR microreactor and pressure	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/02 14:14
-	226	((multi-well WITH (plate OR apparatus)) OR (microtiter WITH plate)) OR microreactor and (pressure WITH chamber)	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/02 15:36
-	17	((multi-well WITH (plate OR apparatus)) OR (microtiter WITH plate)) OR microreactor and (pressure WITH chamber) and psig	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/06 15:52
-	2131	422/99	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/06 11:46

-	940	422/99 and 422/102	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/06 11:04
-	2829	422/102 not 422/99	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/06 11:08
-	2586	(422/102 not 422/99) and @ad<20000719	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/06 11:14
-	873	422/130 or 422/131 not (422/99 or 422/102)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/06 11:47
-	53	((multi-well ADJ (plate OR apparatus)) OR (microtiter ADJ plate)) OR microreactor) and (pressure ADJ chamber))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/06 16:18
-	52	((multi-well ADJ (plate OR apparatus)) OR (microtiter ADJ plate)) OR microreactor) and (pressure ADJ chamber)) and @ad<20000719	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/06 16:04
-	3	((multi-well ADJ (plate OR apparatus)) OR (microtiter ADJ plate)) OR microreactor) and (high ADJ pressure ADJ chamber)) and @ad<20000719	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/07 09:10
-	0	((multi-well) and (high ADJ pressure ADJ chamber)) and @ad<20000719	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/06 16:16
-	0	(multi-well and (high ADJ pressure ADJ chamber)) and @ad<20000719	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/06 16:17
-	0	multi-well and (high ADJ pressure ADJ chamber) and @ad<20000719	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/06 16:18



-	1	"4649967".PN.	USPAT	2001/11/07 09:22
-	1	"4649967".PN.	USPAT	2001/11/07 09:22
-	1	"4810471".PN.	USPAT	2001/11/07 09:22
-	1	"5139056".PN.	USPAT	2001/11/07 09:22
-	1	"5240680".PN.	USPAT	2001/11/07 09:23
-	1	"5288514".PN.	USPAT	2001/11/07 09:23
-	1	"5541314".PN.	USPAT	2001/11/07 09:23
-	3	("5792430").PN.	USPAT;	2001/11/07 15:45
-	0	(422/102 or 422/103 or 435/305.2 or 435/305.3 or 435/288.4).CCLS.	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/07 15:46
-	2767	(422/102 or 422/103 or 435/305.2 or 435/305.3 or 435/288.4).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/07 15:50
-	1043	(435/305.2 or 435/305.3 or 435/288.4 or 422/130 or 422/131).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/15 16:18
-	43	((("5792430") or ("20010119705") or ("6309608") or ("6274094") or ("6274091") or ("6267930") or ("6238913") or ("6238627") or ("6168914") or ("6042789") or ("6001311") or ("5716584") or ("5529756") or ("5472672") or ("6117397") or ("6083682") or ("5702672") or ("5612002") or ("5582801") or ("5565173") or ("5324483") or ("gb2176601")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/08 10:05
-	43	((("5792430") or ("20010119705") or ("6309608") or ("6274094") or ("6274091") or ("6267930") or ("6238913") or ("6238627") or ("6168914") or ("6042789") or ("6001311") or ("5716584") or ("5529756") or ("5472672") or ("6117397") or ("6083682") or ("5702672") or ("5612002") or ("5582801") or ("5565173") or ("5324483") or ("gb 2176601")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/08 10:07
-	43	((("5792430") or ("20010119705") or ("6309608") or ("6274094") or ("6274091") or ("6267930") or ("6238913") or ("6238627") or ("6168914") or ("6042789") or ("6001311") or ("5716584") or ("5529756") or ("5472672") or ("6117397") or ("6083682") or ("5702672") or ("5612002") or ("5582801") or ("5565173") or ("5324483") or ("de 2176601")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/08 10:08
-	0	((("5792430") or ("20010119705") or ("6309608") or ("6274094") or ("6274091") or ("6267930") or ("6238913") or ("6238627") or ("6168914") or ("6042789") or ("6001311") or ("5716584") or ("5529756") or ("5472672") or ("6117397") or ("6083682") or ("5702672") or ("5612002") or ("5582801") or ("5565173") or ("5324483") or ("gb 2176601 A")).PN.	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/08 10:07

-	46	((("5792430") or ("20010119705") or ("6309608") or ("6274094") or ("6274091") or ("6267930") or ("6238913") or ("6238627") or ("6168914") or ("6042789") or ("6001311") or ("5716584") or ("5529756") or ("5472672") or ("6117397") or ("6083682") or ("5702672") or ("5612002") or ("5582801") or ("5565173") or ("5324483") or ("2176601")).PN.	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/09 15:02
-	0	("36 and @pd<20000719").PN.	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/08 10:15
-	0	("36 and @pd<20000719").PN.	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/08 10:13
-	0	("36 and @pd<20000719").PN.	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/08 10:13
-	45	((("5792430") or ("20010119705") or ("6309608") or ("6274094") or ("6274091") or ("6267930") or ("6238913") or ("6238627") or ("6168914") or ("6042789") or ("6001311") or ("5716584") or ("5529756") or ("5472672") or ("6117397") or ("6083682") or ("5702672") or ("5612002") or ("5582801") or ("5565173") or ("5324483") or ("2176601")).PN.) and (@ad<=20000719)	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/08 10:17
-	898411	cell harvester.ti.	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/08 14:38
-	2	5987842.pn.	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/09 11:12
-	3	5897842.pn.	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/09 11:12
-	0	symx.as.	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/09 15:03
-	104	symyx.as.	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/09 15:03

-	10	titanium adj pressure adj vessel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/13 11:25
-	1	6309608.pn. and (titanium or (stainless adj steel) or aluminum)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/13 12:56
-	65383	((stainless adj steel) or aluminum) and reactor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/13 11:25
-	20	titanium adj pressure adj reactor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/13 11:26
-	12176	((stainless adj steel) and aluminum) and reactor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/13 11:31
-	0	6309608.pn. and ("2" adj ml)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/13 12:56
-	0	(435/305.2 or 435/305.3 or 435/288.4 or 422/130 or 422/131).ccls. and ("10" adj cubic adj inches)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/13 14:46
-	0	(435/305.2 or 435/305.3 or 435/288.4 or 422/130 or 422/131).ccls. and ("3" adj by adj "4" adj array)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/13 14:48
-	0	(435/305.2 or 435/305.3 or 435/288.4 or 422/130 or 422/131).ccls. and ("8" adj by adj "12" adj array)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/13 14:58
-	0	(435/305.2 or 435/305.3 or 435/288.4 or 422/130 or 422/131).ccls. and ("12" adj by adj "8" or ("8" adj by adj "12"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/13 15:00

-	781	(435/305.2 or 435/305.3 or 435/288.4 or 422/130 or 422/131).ccls. and ((("12" by "8") or ("8" by "12") or "96"))	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/13 15:02
-	828	(435/305.2 or 435/305.3 or 435/288.4 or 422/130 or 422/131).ccls. and ((("3" by "4") or ("4" by "3") or "12"))	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/13 15:06
-	711	(435/305.2 or 435/305.3 or 435/288.4 or 422/130 or 422/131).ccls. and ((("3" adj by adj "4") or ("4" adj by adj "3") or "12"))	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/13 16:17
-	0	(435/305.2 or 435/305.3 or 435/288.4 or 422/130 or 422/131).ccls. and ((("3" adj by adj "4") or ("4" adj by adj "3"))	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/13 15:39
-	35	(435/305.2 or 435/305.3 or 435/288.4 or 422/130 or 422/131).ccls. and ((("3" adj by adj "4") or ("4" adj by adj "3") or ("12" adj wells))	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/13 16:20
-	1	6309608.pn. and ("9" adj mm)	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/14 13:41
-	6213	micromachin\$	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/14 13:43
-	1957	micromachin\$ and holes	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/14 13:56
-	15	micromachin\$ adj holes	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/14 14:59
-	1	6309608.pn. and holes	USPAT; US-PGPUB; EPO; JPO; DERMENT; IBM_TDB	2001/11/14 14:59

-	1	6309608.pn. and valves	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/14 15:41
-	1	6309608.pn. and vials	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/14 16:01
-	1	6309608.pn. and springs	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/14 16:01
-	0	(435/305.2 or 435/305.3 or 435/288.4 or 422/130 or 422/131).ccls. and (four adj bar adj mechanism)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/15 16:19
-	346	four adj bar adj mechanism	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/15 16:47
-	333	(four adj bar adj mechanism) and (@ad<20000719 or @pd<20000719)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/16 11:02
-	3	(four adj bar adj mechanism) and reactor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/15 16:50
-	3	(four adj bar adj mechanism) and (reactor or multi-well)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/15 16:50
-	6	4099923.pn. or 4944923.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/16 08:41
-	0	(4099923.pn. or 4944923.pn.) and (four adj bar adj mechanism)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/16 08:42



-	232294	van den brink.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/16 11:02
-	231455	van den brink.in. and reactor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/11/16 11:02
-	6071	((422/99-104).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/07 15:08
-	707	((422/99-104).CCLS.) and (reactor or multiwell or multi-well or microplate or microtiter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/07 15:10
-	643	((422/99-104).CCLS.) and (reactor or multiwell or multi-well or microplate or microtiter) and @ad<20000719	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/07 15:12



-	26	(US-6355164-\$ or US-6357141-\$ or US-6358479-\$ or US-6117397-\$ or US-5624815-\$ or US-5620663-\$ or US-5741463-\$ or US-5464541-\$ or US-5516490-\$ or US-5283039-\$ or US-5342581-\$ or US-5846493-\$ or US-5264184-\$ or US-6171555-\$ or US-6159368-\$ or US-6149869-\$ or US-6258325-\$ or US-6338802-\$ or US-6331431-\$ or US-6274094-\$ or US-6267930-\$ or US-5961925-\$ or US-6051439-\$ or US-6045755-\$ or US-6042789-\$ or US-5205989-\$).did.	USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/07 16:46
-	24	((US-6355164-\$ or US-6357141-\$ or US-6358479-\$ or US-6117397-\$ or US-5624815-\$ or US-5620663-\$ or US-5741463-\$ or US-5464541-\$ or US-5516490-\$ or US-5283039-\$ or US-5342581-\$ or US-5846493-\$ or US-5264184-\$ or US-6171555-\$ or US-6159368-\$ or US-6149869-\$ or US-6258325-\$ or US-6338802-\$ or US-6331431-\$ or US-6274094-\$ or US-6267930-\$ or US-5961925-\$ or US-6051439-\$ or US-6045755-\$ or US-6042789-\$ or US-5205989-\$).did.) and pressure	USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/07 17:17
-	26	((US-6355164-\$ or US-6357141-\$ or US-6358479-\$ or US-6117397-\$ or US-5624815-\$ or US-5620663-\$ or US-5741463-\$ or US-5464541-\$ or US-5516490-\$ or US-5283039-\$ or US-5342581-\$ or US-5846493-\$ or US-5264184-\$ or US-6171555-\$ or US-6159368-\$ or US-6149869-\$ or US-6258325-\$ or US-6338802-\$ or US-6331431-\$ or US-6274094-\$ or US-6267930-\$ or US-5961925-\$ or US-6051439-\$ or US-6045755-\$ or US-6042789-\$ or US-5205989-\$).did.) ancody.in.	USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/07 17:17
-	638	cody.in.	USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/07 17:21
-	4	cody.in. and 422/\$.ccls.	USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/07 17:21
-	1019	dewitt.in.	USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/07 17:21
-	13	dewitt.in. and 422/\$.ccls.	USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/07 18:04
-	2	5324483.pn. and pressure	USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/08 17:41
-	2	("6,171,555").PN.	USPAT; US-PCPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/08 17:41



-	334	(((((422/99-104) or (422/129-131)).CCLs.) and (chamber or housing)) and pressure) and @ad<20000719) and well) and (reactor or microtiter or microreactor or microplate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/08 18:38
-	4	3723004.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/09 11:24
-	300616	reactor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/09 11:25
-	163	reactor and plexiglas	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/09 11:25
-	154	(reactor and plexiglas) and @ad<20000719	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/09 11:25
-	110	((reactor and plexiglas) and @ad<20000719) and pressure	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/09 11:29
-	3	plexiglas adj reactor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/09 11:31
-	14	plexiglas with reactor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/09 11:31
-	11	(plexiglas with reactor) not (plexiglas adj reactor)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/09 11:31

=> file caplus and uspatfull  
'AND' IS NOT A VALID FILE NAME  
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files  
that are available. If you have requested multiple files, you can  
specify a corrected file name or you can enter "IGNORE" to continue  
accessing the remaining file names entered.  
ENTER A FILE NAME OR (IGNORE):caplus uspatfull  
FILE 'CAPLUS' ENTERED AT 17:48:19 ON 08 MAY 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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=> reactor  
REACTOR IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s ?reactor?  
L1 538600 ?REACTOR?

=> s chamber? or housing?  
L2 1067759 CHAMBER? OR HOUSING?

=> s pressure?  
L3 2241567 PRESSURE?

=> s 1000(w)psig  
L4 5359 1000(W) PSIG

=> s l1 and l2 and l3 and l4  
L5 355 L1 AND L2 AND L3 AND L4

=> s well?  
L6 3205041 WELL?

=> s ?well?  
L7 3356583 ?WELL?

=> s l5 and l7  
L8 334 L5 AND L7

=> d ti 1-10

L8 ANSWER 1 OF 334 USPATFULL  
TI Fischer-tropsch processes using catalysts on mesoporous supports

L8 ANSWER 2 OF 334 USPATFULL  
TI Fischer-Tropsch processes and catalysts with promoters

L8 ANSWER 3 OF 334 USPATFULL  
TI Methods and apparatus for producing and treating novel elastomer  
composites

L8 ANSWER 4 OF 334 USPATFULL  
TI Dry catalyst feeder for polymerization **reactors**

L8 ANSWER 5 OF 334 USPATFULL  
TI Process for the preparation of hydrocarbons

L8 ANSWER 6 OF 334 USPATFULL  
TI NOVEL ELASTOMER COMPOSITE BLENDS AND METHODS - II

L8 ANSWER 7 OF 334 USPATFULL  
 TI Reductive combustion of ammonium salts of sulfuric acid

L8 ANSWER 8 OF 334 USPATFULL  
 TI Promoted porous catalyst

L8 ANSWER 9 OF 334 USPATFULL  
 TI Chromium-based catalysts and processes for converting hydrocarbons to synthesis gas

L8 ANSWER 10 OF 334 USPATFULL  
 TI Fischer-tropsch processes and catalysts with promoters

=> d his

(FILE 'HOME' ENTERED AT 17:47:47 ON 08 MAY 2002)

FILE 'CAPLUS, USPATFULL' ENTERED AT 17:48:19 ON 08 MAY 2002

L1 538600 S ?REACTOR?  
 L2 1067759 S CHAMBER? OR HOUSING?  
 L3 2241567 S PRESSURE?  
 L4 5359 S 1000(W)PSIG  
 L5 355 S L1 AND L2 AND L3 AND L4  
 L6 3205041 S WELL?  
 L7 3356583 S ?WELL?  
 L8 334 S L5 AND L7

=> s 13(w)l2

L9 30380 L3(W) L2

=> s 11 and 19 and 14 and 17

L10 5 L1 AND L9 AND L4 AND L7

=> d ibib abs tot

L10 ANSWER 1 OF 5 USPATFULL  
 ACCESSION NUMBER: 1999:121563 USPATFULL  
 TITLE: Method for producing a flavorful and aromatic composition for use in smoking articles  
 INVENTOR(S): Shu, Chi-Kuen, Pfafftown, NC, United States  
 Lawrence, Brian Michael, Winston-Salem, NC, United States  
 PATENT ASSIGNEE(S): R.J. Reynolds Tobacco Company, Winston-Salem, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5962662		19991005
APPLICATION INFO.:	US 1992-854122		19920319 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1990-632242, filed on 20 Dec 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Leary, Louise N.		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 11 Drawing Page(s)		
LINE COUNT:	510		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A flavorful and aromatic composition is provided by forming a mixture of a first component in the form of at least one non-sulfur containing amino acid, non-sulfur containing amino acid analog and/or degradation product thereof and a second component in the form of at least one

sugar, sugar analog and/or degradation product thereof. The first component and second component are in a molar ratio of from about 1:1 to about 60:1. The mixture is then subjected to heat treatment in a pressure controlled environment under conditions sufficient to form the flavorful and aromatic composition, e.g., a pressure of about 10 psig to about **1000 psig** and a temperature of at least 100.degree. C. The composition is useful as casing and top dressing components for tobacco laminae and cut filler, as **well** as for other smokable materials.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 2 OF 5 USPATFULL

ACCESSION NUMBER: 95:40066 USPATFULL  
TITLE: Method of providing flavorful and aromatic compounds  
INVENTOR(S): Shu, Chi-Kuen, Pfafftown, NC, United States  
Lawrence, Brian M., Winston-Salem, NC, United States  
PATENT ASSIGNEE(S): R. J. Reynolds Tobacco Company, Winston-Salem, NC,  
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5413122		19950509
APPLICATION INFO.:	US 1992-837844		19920218 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Prebilic, Paul		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	289		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A flavorful and aromatic compound for use in a smoking article is provided by subjecting an amino acid having a hydroxy group to heat treatment at a pressure of about 10 psig to about **1000 psig** and at a temperature of at least about 100.degree. C. to provide a reaction material including flavorful and aromatic composition, and collecting the flavorful and aromatic composition for use in altering the aroma of mainstream smoke upon burning of a smoking compound during use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 3 OF 5 USPATFULL

ACCESSION NUMBER: 90:77902 USPATFULL  
TITLE: Method for producing ultra-high purity, optical quality, glass articles  
INVENTOR(S): Schermerhorn, Paul M., Painted Post, NY, United States  
Teter, Michael P., Corning, NY, United States  
PATENT ASSIGNEE(S): Corning Incorporated, Corning, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4961767		19901009
APPLICATION INFO.:	US 1989-373628		19890629 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1988-271709, filed on 16 Nov 1988, now abandoned which is a division of Ser. No. US 1987-52619, filed on 20 May 1987, now patented, Pat. No. US 4789389		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lindsay, Robert L.		
LEGAL REPRESENTATIVE:	Michaelsen, Alfred L., Klee, Maurice M. ,		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		



NUMBER OF DRAWINGS: 2 Drawing Figure(s); 1 Drawing Page(s)  
LINE COUNT: 972

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for consolidating a green body is disclosed which involves: (1) drying and partially sintering the green body at a temperature above about 1000.degree. C. and in an atmosphere containing chlorine; (2) fully sintering the green body under vacuum at a temperature above about 1720.degree. C.; and (3) hot isostatic pressing ("hipping") the green body at a temperature above about 1150.degree. C. and at a pressure above about 100 psig. The process produces glass articles which have a low water content and are essentially bubble free.

This is a continuation of co-pending application Ser. No. 07/271,709 filed Nov. 16, 1988, now abandoned which is a divisional application of application Ser. No. 07/052,619, filed May 20, 1987 now U.S. Pat. No. 4,789,389.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 4 OF 5 USPATFULL

ACCESSION NUMBER: 88:78817 USPATFULL

TITLE: Method for producing ultra-high purity, optical quality, glass articles

INVENTOR(S): Schermerhorn, Paul M., Painted Post, NY, United States  
Teter, Michael P., Corning, NY, United States  
Vandewoestine, Robert V., Corning, NY, United States

PATENT ASSIGNEE(S): Corning Glass Works, Corning, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4789389		19881206
APPLICATION INFO.:	US 1987-52619		19870520 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lindsay, Robert L.		
LEGAL REPRESENTATIVE:	Zebrowski, Walter S.		
NUMBER OF CLAIMS:	33		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	1101		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for producing ultra-high purity, optical quality, glass articles is disclosed which involves: (1) forming a gel from a silicon-containing organic compound, such as, TEOS; (2) drying the gel to produce granules having a mean particle size of less than about 1 millimeter; (3) fully sintering the granules to produce high purity, artificial sand; (4) casting the artificial sand by conventional techniques, such as, slip casting, to form a high density, porous, green body; (5) drying and partially sintering the green body; (6) fully sintering the green body under vacuum; and (7) hot isostatic pressing ("hipping") the green body. The glass articles produced by the process have higher purity, greater homogeneity, and less IR absorption than existing, commercially available, premium quality, fused silica, glass articles. In addition, in accordance with the invention, high purity glass articles of complex shapes can be directly cast, rather than being machined or pressed from sheets of glass, as in the prior art.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 5 OF 5 USPATFULL

ACCESSION NUMBER: 86:23453 USPATFULL

TITLE: Process for the production of acetic acid from synthesis gas

INVENTOR(S): Smith, David W., Cincinnati, OH, United States

PATENT ASSIGNEE(S): National Distillers and Chemical Corporation, New York,  
NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4584322		19860422
APPLICATION INFO.:	US 1984-597984		19840409 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Mars, Howard T.		
LEGAL REPRESENTATIVE:	Tremain, Kenneth D.		
NUMBER OF CLAIMS:	13		
EXEMPLARY CLAIM:	1		
LINE COUNT:	288		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for preparing acetic acid and acetates comprising reacting carbon monoxide with hydrogen in the presence of a catalytically effective amount of the catalyst system comprising a ruthenium compound, a cobalt compound, and an alkali metal halide activator.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 11 and 12 and 13 and 14  
L11 355 L1 AND L2 AND L3 AND L4

=> d pi ti tot

L11 ANSWER 1 OF 355 CAPLUS COPYRIGHT 2002 ACS  
PATENT NO. KIND DATE APPLICATION NO. DATE  
-----  
PI US 3503868 A 19700331 US 1967-680982 19671106  
TI Extracting and converting shale oils

L11 ANSWER 2 OF 355 CAPLUS COPYRIGHT 2002 ACS  
PATENT NO. KIND DATE APPLICATION NO. DATE  
-----  
PI GB 1039381 19660817 GB  
TI Chemical reactions in which hydrogen is a reaction product

L11 ANSWER 3 OF 355 USPATFULL  
PI US 2002052289 A1 20020502  
TI Fischer-tropsch processes using catalysts on mesoporous supports

L11 ANSWER 4 OF 355 USPATFULL  
PI US 2002045671 A1 20020418  
TI Fischer-Tropsch processes and catalysts with promoters

L11 ANSWER 5 OF 355 USPATFULL  
PI US 6372822 B1 20020416  
TI Methods and apparatus for producing and treating novel elastomer composites

L11 ANSWER 6 OF 355 USPATFULL  
PI US 2002034464 A1 20020321  
TI Dry catalyst feeder for polymerization **reactors**

L11 ANSWER 7 OF 355 USPATFULL  
PI US 2002028853 A1 20020307  
TI Process for the preparation of hydrocarbons

L11 ANSWER 8 OF 355 USPATFULL  
PI US 2002016404 A1 20020207  
US 6365663 B2 20020402  
TI NOVEL ELASTOMER COMPOSITE BLENDS AND METHODS - II

L11 ANSWER 9 OF 355 USPATFULL  
 PI US 6342651 B1 20020129  
 TI Reductive combustion of ammonium salts of sulfuric acid

L11 ANSWER 10 OF 355 USPATFULL  
 PI US 2002006862 A1 20020117  
 TI Promoted porous catalyst

L11 ANSWER 11 OF 355 USPATFULL  
 PI US 2002006374 A1 20020117  
 TI Chromium-based catalysts and processes for converting hydrocarbons to synthesis gas

L11 ANSWER 12 OF 355 USPATFULL  
 PI US 6333294 B1 20011225  
 TI Fischer-tropsch processes and catalysts with promoters

L11 ANSWER 13 OF 355 USPATFULL  
 PI US 2001051588 A1 20011213  
 US 6365544 B2 20020402  
 TI FISCHER-TROPSCH PROCESSES AND CATALYSTS USING FLUORIDED ALUMINA SUPPORTS

L11 ANSWER 14 OF 355 USPATFULL  
 PI US 2001049334 A1 20011206  
 US 6368997 B2 20020409  
 TI FISCHER-TROPSCH PROCESSES AND CATALYSTS USING FLUORIDED SUPPORTS

L11 ANSWER 15 OF 355 USPATFULL  
 PI US 6319872 B1 20011120  
 TI Fischer-Tropsch processes using catalysts on mesoporous supports

L11 ANSWER 16 OF 355 USPATFULL  
 PI US 6309758 B1 20011030  
 TI Promoted porous catalyst

L11 ANSWER 17 OF 355 USPATFULL  
 PI US 2001029285 A1 20011011  
 US 6319995 B2 20011120  
 TI METHOD OF FEEDING DRY CATALYST TO A POLYMERIZATION **REACTOR**

L11 ANSWER 18 OF 355 USPATFULL  
 PI US 6284938 B1 20010904  
 TI Process for oligomer production and saturation

L11 ANSWER 19 OF 355 USPATFULL  
 PI US 2001007879 A1 20010712  
 US 6353035 B2 20020305  
 TI Fischer-tropsch processes using xerogel and aerogel catalysts by destabilizing aqueous colloids

L11 ANSWER 20 OF 355 USPATFULL  
 PI US 6235677 B1 20010522  
 TI Fischer-Tropsch processes using xerogel and aerogel catalysts by destabilizing aqueous colloids

L11 ANSWER 21 OF 355 USPATFULL  
 PI US 6232417 B1 20010515  
 TI Photoresist compositions comprising polycyclic polymers with acid labile pendant groups

L11 ANSWER 22 OF 355 USPATFULL  
 PI US 6231976 B1 20010515  
 TI Copolyester binder fibers

L11 ANSWER 23 OF 355 USPATFULL  
PI US 6197856 B1 20010306  
TI Copolymer binder fibers

L11 ANSWER 24 OF 355 USPATFULL  
PI US 6149864 20001121  
TI Supercritical fluid sterilization method

L11 ANSWER 25 OF 355 USPATFULL  
PI US 6139954 20001031  
TI Polyesters containing neopentyl glycol and fibers formed therefrom

L11 ANSWER 26 OF 355 USPATFULL  
PI US 6127432 20001003  
TI Processes for preparing oxygenates and catalysts therefor

L11 ANSWER 27 OF 355 USPATFULL  
PI US 6096940 20000801  
TI Biodegradable high performance hydrocarbon base oils

L11 ANSWER 28 OF 355 USPATFULL  
PI US 6090595 20000718  
TI Pretreatment process for conversion of cellulose to fuel ethanol

L11 ANSWER 29 OF 355 USPATFULL  
PI US 6085577 20000711  
WO 9713138 19970410  
TI Surface tension measurement in a pressurized environment

L11 ANSWER 30 OF 355 USPATFULL  
PI US 6080903 20000627  
TI Process for oligomer production and saturation

L11 ANSWER 31 OF 355 USPATFULL  
PI US 6075084 20000613  
TI Elastomer composite blends and methods - II

L11 ANSWER 32 OF 355 USPATFULL  
PI US 6072093 20000606  
TI Process for oligomer production and saturation

L11 ANSWER 33 OF 355 USPATFULL  
PI US 6061936 20000516  
TI Synthesis gas expander located immediately upstream of combustion turbine

L11 ANSWER 34 OF 355 USPATFULL  
PI US 6048923 20000411  
TI Elastomer composites method and apparatus

L11 ANSWER 35 OF 355 USPATFULL  
PI US 6048513 20000411  
TI Method for synthesis of hypohalous acid

L11 ANSWER 36 OF 355 USPATFULL  
PI US 6048404 20000411  
TI Tobacco flavoring components of enhanced aromatic content and method of providing same

L11 ANSWER 37 OF 355 USPATFULL  
PI US 6040364 20000321  
TI Methods for producing elastomeric compositions

L11 ANSWER 38 OF 355 USPATFULL  
PI US 6025533 20000215

TI Oligomer production with catalytic distillation

L11 ANSWER 39 OF 355 USPATFULL  
 PI US 6005154 19991221  
 TI Isomerization process using zeolite SSZ-25

L11 ANSWER 40 OF 355 USPATFULL  
 PI US 5990367 19991123  
 TI Process for oligomer production and saturation

L11 ANSWER 41 OF 355 USPATFULL  
 PI US 5962662 19991005  
 TI Method for producing a flavorful and aromatic composition for use in smoking articles

L11 ANSWER 42 OF 355 USPATFULL  
 PI US 5916780 19990629  
 TI Pretreatment process for conversion of cellulose to fuel ethanol

L11 ANSWER 43 OF 355 USPATFULL  
 PI US 5912382 19990615  
 TI Hydroxyalkyl carbamate compositions and processes for manufacturing same

L11 ANSWER 44 OF 355 USPATFULL  
 PI US 5895830 19990420  
 TI Process for oligomer production and saturation

L11 ANSWER 45 OF 355 USPATFULL  
 PI US 5874612 19990223  
 TI Process for the preparation of glyphosate and glyphosate derivatives

L11 ANSWER 46 OF 355 USPATFULL  
 PI US 5856604 19990105  
 TI Process for integrated oligomer production and saturation

L11 ANSWER 47 OF 355 USPATFULL  
 PI US 5847252 19981208  
 TI Process for integrated oligomer production and saturation

L11 ANSWER 48 OF 355 USPATFULL  
 PI US 5837639 19981117  
 TI Hydroprocessing catalyst

L11 ANSWER 49 OF 355 USPATFULL  
 PI US 5811608 19980922  
 TI Process for oligomer production and saturation

L11 ANSWER 50 OF 355 USPATFULL  
 PI US 5792894 19980811  
 TI Conversion of aromatic and olefins

L11 ANSWER 51 OF 355 USPATFULL  
 PI US 5783627 19980721  
 TI Dense gas-compatible enzymes

L11 ANSWER 52 OF 355 USPATFULL  
 PI US 5744556 19980428  
 TI Gas phase polymerization employing unsupported catalysts

L11 ANSWER 53 OF 355 USPATFULL  
 PI US 5691463 19971125  
 TI Alkylation process using zeolite SSZ-25

L11 ANSWER 54 OF 355 USPATFULL  
 PI US 5670131 19970923

TI Synthetic porous crystalline MCM-61, its synthesis and use

L11 ANSWER 55 OF 355 USPATFULL  
PI US 5591322 19970107  
TI Dewaxing process using zeolite SSZ-25

L11 ANSWER 56 OF 355 USPATFULL  
PI US 5578190 19961126  
TI Process for the preparation of glyphosate and glyphosate derivatives

L11 ANSWER 57 OF 355 USPATFULL  
PI US 5554274 19960910  
TI Manufacture of improved catalyst

L11 ANSWER 58 OF 355 USPATFULL  
PI US 5534656 19960709  
TI Organic compound conversion with MCM-58

L11 ANSWER 59 OF 355 USPATFULL  
PI US 5508015 19960416  
TI Process for controlling agglomeration in the manufacture of TiO.sub.2

L11 ANSWER 60 OF 355 USPATFULL  
PI US 5504257 19960402  
TI Process for producing diisopropyl ether with removal of acid material

L11 ANSWER 61 OF 355 USPATFULL  
PI US 5503750 19960402  
TI Membrane-based process for the recovery of lactic acid by fermentation of carbohydrate substrates containing sugars

L11 ANSWER 62 OF 355 USPATFULL  
PI US 5495055 19960227  
TI Acetone hydrogenation using a supported ruthenium catalyst

L11 ANSWER 63 OF 355 USPATFULL  
PI US 5487913 19960130  
TI Butter products

L11 ANSWER 64 OF 355 USPATFULL  
PI US 5475178 19951212  
TI Supported heteropoly acid catalysts

L11 ANSWER 65 OF 355 USPATFULL  
PI US 5468368 19951121  
TI Lubricant hydrocracking process

L11 ANSWER 66 OF 355 USPATFULL  
PI US 5463176 19951031  
TI Liquid waste oxygenation

L11 ANSWER 67 OF 355 USPATFULL  
PI US 5458808 19951017  
TI Process for continuously controlling the heat content of a partial oxidation unit feed-gas stream

L11 ANSWER 68 OF 355 USPATFULL  
PI US 5457252 19951010  
TI Catalyst composition for the selective hydrogenation of benzene and process for such hydrogenation

L11 ANSWER 69 OF 355 USPATFULL  
PI US 5441721 19950815  
TI Synthesis of porous crystalline MCM-58

L11 ANSWER 70 OF 355 USPATFULL  
PI US 5437855 19950801  
TI Synthetic porous crystalline MCM-58, its synthesis and use

X L11 ANSWER 71 OF 355 USPATFULL  
PI US 5431889 19950711  
TI High temperature and high **pressure** reaction process and apparatus

L11 ANSWER 72 OF 355 USPATFULL  
PI US 5421992 19950606  
TI Hydrocarbon conversion process using zeolite SSZ-25

L11 ANSWER 73 OF 355 USPATFULL  
PI US 5413122 19950509  
TI Method of providing flavorful and aromatic compounds

L11 ANSWER 74 OF 355 USPATFULL  
PI US 5406018 19950411  
TI Homogenous catalyst and process for liquid phase isomerization and alkylation

L11 ANSWER 75 OF 355 USPATFULL  
PI US 5395974 19950307  
TI Lewis acid catalyzed ammonolysis of nylon

L11 ANSWER 76 OF 355 USPATFULL  
PI US 5391656 19950221  
TI Recovery of unreacted monomers in an olefin polymerization process

L11 ANSWER 77 OF 355 USPATFULL  
PI US 5382742 19950117  
TI Gallium-containing zeolite MCM-22

L11 ANSWER 78 OF 355 USPATFULL  
PI US 5371310 19941206  
TI Process for preparing short chain alkyl aromatic compounds

L11 ANSWER 79 OF 355 USPATFULL  
PI US 5366945 19941122  
TI Supported heteropoly acid catalysts

L11 ANSWER 80 OF 355 USPATFULL  
PI US 5336478 19940809  
TI Highly siliceous porous crystalline material

L11 ANSWER 81 OF 355 USPATFULL  
PI US 5334795 19940802  
TI Production of ethylbenzene

L11 ANSWER 82 OF 355 USPATFULL  
PI US 5326922 19940705  
TI Hydrogen transfer process

L11 ANSWER 83 OF 355 USPATFULL  
PI US 5326540 19940705  
TI Containment system for supercritical water oxidation **reactor**

L11 ANSWER 84 OF 355 USPATFULL  
PI US 5324881 19940628  
TI Supported heteropoly acid catalysts for isoparaffin-olefin alkylation reactions

L11 ANSWER 85 OF 355 USPATFULL  
PI US 5308648 19940503

TI      Spray application of plastics additives to polymers

L11    ANSWER 86 OF 355    USPATFULL  
 PI      US 5304698                      19940419  
 TI      Solid catalyzed supercritical isoparaffin-olefin alkylation process

L11    ANSWER 87 OF 355    USPATFULL  
 PI      US 5304588                      19940419  
 TI      Core-shell resin particle

L11    ANSWER 88 OF 355    USPATFULL  
 PI      US 5302756                      19940412  
 TI      Ammonolysis of nylon

L11    ANSWER 89 OF 355    USPATFULL  
 PI      US 5284643                      19940208  
 TI      Gallium-containing zeolite MCM-22

L11    ANSWER 90 OF 355    USPATFULL  
 PI      US 5281328                      19940125  
 TI      Hydrocracking with ultra large pore size catalysts

L11    ANSWER 91 OF 355    USPATFULL  
 PI      US 5256277                      19931026  
 TI      Paraffin isomerization process utilizing a catalyst comprising a mesoporous crystalline material

L11    ANSWER 92 OF 355    USPATFULL  
 PI      US 5254792                      19931019  
 TI      Isoparaffin:olefin alkylation in the presence of synthetic porous MCM-49

L11    ANSWER 93 OF 355    USPATFULL  
 PI      US 5254767                      19931019  
 TI      Highly siliceous porous crystalline material and its use in conversion of oxygenates

L11    ANSWER 94 OF 355    USPATFULL  
 PI      US 5252620                      19931012  
 TI      Microcellular foams

L11    ANSWER 95 OF 355    USPATFULL  
 PI      US 5241088                      19930831  
 TI      Non-catalytic oxidation of alkylene to alkylene oxide in the presence of recycled aldehyde by-products

L11    ANSWER 96 OF 355    USPATFULL  
 PI      US 5231233                      19930727  
 TI      Process for the hydration of olefins

L11    ANSWER 97 OF 355    USPATFULL  
 PI      US 5215728                      19930601  
 TI      Method and apparatus for removal of h2s from a process gas, including thiosulfate and/or cyanide salt decomposition

L11    ANSWER 98 OF 355    USPATFULL  
 PI      US 5214925                      19930601  
 TI      Use of liquified compressed gases as a refrigerant to suppress cavitation and compressibility when pumping liquified compressed gases

L11    ANSWER 99 OF 355    USPATFULL  
 PI      US 5209848                      19930511  
 TI      Xylylene based polyether membranes for gas separation

L11    ANSWER 100 OF 355    USPATFULL  
 PI      US 5202014                      19930413



TI Zeolite SSZ-25

L11 ANSWER 101 OF 355 USPATFULL  
 PI US 5200477 19930406  
 TI Process for producing sticky polymers

L11 ANSWER 102 OF 355 USPATFULL  
 PI US 5200379 19930406  
 TI Olefin polymerization using supported pentadienyl derivative-transition metal complexes

L11 ANSWER 103 OF 355 USPATFULL  
 PI US 5200058 19930406  
 TI Catalytic conversion over modified synthetic mesoporous crystalline material

L11 ANSWER 104 OF 355 USPATFULL  
 PI US 5191134 19930302  
 TI Aromatics alkylation process

L11 ANSWER 105 OF 355 USPATFULL  
 PI US 5187247 19930216  
 TI Process for making elastomeric ethylene-alpha-olefin polymers with stage-modified vanadium catalyst

L11 ANSWER 106 OF 355 USPATFULL  
 PI US 5187246 19930216  
 TI Process for making EPR resins

L11 ANSWER 107 OF 355 USPATFULL  
 PI US 5183561 19930202  
 TI Demetallation of hydrocarbon feedstocks with a synthetic mesoporous crystalline material

L11 ANSWER 108 OF 355 USPATFULL  
 PI US 5177252 19930105  
 TI Halogenated aryl ester damping fluids and lubricants

L11 ANSWER 109 OF 355 USPATFULL  
 PI US 5173281 19921222  
 TI Synthesis of a synthetic porous crystalline material

L11 ANSWER 110 OF 355 USPATFULL  
 PI US 5170727 19921215  
 TI Supercritical fluids as diluents in combustion of liquid fuels and waste materials

L11 ANSWER 111 OF 355 USPATFULL  
 PI US 5162463 19921110  
 TI Method for producing sticky polymers

L11 ANSWER 112 OF 355 USPATFULL  
 PI US 5156656 19921020  
 TI Semi-permeable membranes derived from reactive oligomers

L11 ANSWER 113 OF 355 USPATFULL  
 PI US 5132007 19920721  
 TI Co-generation system for co-producing clean, coal-based fuels and electricity

L11 ANSWER 114 OF 355 USPATFULL  
 PI US 5118894 19920602  
 TI Production of ethylbenzene

L11 ANSWER 115 OF 355 USPATFULL

PI US 5107054 19920421  
 TI Zeolite MCM-22 based catalyst for paraffin isomerization

L11 ANSWER 116 OF 355 USPATFULL  
 PI US 5105023 19920414  
 TI Process for the hydration of olefins cross reference to related applications

L11 ANSWER 117 OF 355 USPATFULL  
 PI US 5075394 19911224  
 TI Olefin polymerization using supported pentadienyl derivative-transition metal complexes

L11 ANSWER 118 OF 355 USPATFULL  
 PI US 5073665 19911217  
 TI Process for alkylating olefins and isoparaffins in a fixed bed **reactor**

L11 ANSWER 119 OF 355 USPATFULL  
 PI US 5073655 19911217  
 TI Method for preparing diarylalkanes

L11 ANSWER 120 OF 355 USPATFULL  
 PI US 5073529 19911217  
 TI Method of regenerating a nonacidic zeolite catalyst

L11 ANSWER 121 OF 355 USPATFULL  
 PI US 5064525 19911112  
 TI Combined hydrogenolysis plus oxidation process for sweetening a sour hydrocarbon fraction

L11 ANSWER 122 OF 355 USPATFULL  
 PI US 5053568 19911001  
 TI Lubricant compositions comprising copolymers of 1-vinyladamantane and 1-alkenes and methods of preparing the same

L11 ANSWER 123 OF 355 USPATFULL  
 PI US 5043512 19910827  
 TI Alkylaromatic isomerization process

L11 ANSWER 124 OF 355 USPATFULL  
 PI US 5043501 19910827  
 TI Process for preparing dimethylnaphthalene

L11 ANSWER 125 OF 355 USPATFULL  
 PI US 5041473 19910820  
 TI Process for producing carbon black filled polyethylene resins

L11 ANSWER 126 OF 355 USPATFULL  
 PI US 5030787 19910709  
 TI Catalytic disproportionation/transalkylation utilizing a C9+ aromatics feed

L11 ANSWER 127 OF 355 USPATFULL  
 PI US 5019357 19910528  
 TI **Reactor** system for upgrading light olefins in staged **reactors**

L11 ANSWER 128 OF 355 USPATFULL  
 PI US 5012037 19910430  
 TI Integrated thermal swing-**pressure** swing adsorption process for hydrogen and hydrocarbon recovery

L11 ANSWER 129 OF 355 USPATFULL  
 PI US 5012033 19910430

TI Isoparaffin-olefin alkylation process and catalyst composition thereof

L11 ANSWER 130 OF 355 USPATFULL  
PI US 5008413 19910416  
TI Catalyst for oxidation of ethylene to ethylene oxide

L11 ANSWER 131 OF 355 USPATFULL  
PI US 4994534 19910219  
TI Process for producing sticky polymers

L11 ANSWER 132 OF 355 USPATFULL  
PI US 4992615 19910212  
TI Isoparaffin-olefin alkylation process

L11 ANSWER 133 OF 355 USPATFULL  
PI US 4982040 19910101  
TI Process for the catalytic disproportionation of methylnaphthalenes

L11 ANSWER 134 OF 355 USPATFULL  
PI US 4980333 19901225  
TI Perovskite-related layered oxides containing interspathic polymeric oxide

L11 ANSWER 135 OF 355 USPATFULL  
PI US 4980128 19901225  
TI Control of corrosion in aqueous systems

L11 ANSWER 136 OF 355 USPATFULL  
PI US 4973784 19901127  
TI Process for reducing the durene content of effluent resulting from the catalytic conversion of C.sub.1 -C.sub.4 oxygenates to gasoline

L11 ANSWER 137 OF 355 USPATFULL  
PI US 4968402 19901106  
TI Process for upgrading hydrocarbons

L11 ANSWER 138 OF 355 USPATFULL  
PI US 4962257 19901009  
TI Process for the catalytic disproportionation of toluene

L11 ANSWER 139 OF 355 USPATFULL  
PI US 4961767 19901009  
TI Method for producing ultra-high purity, optical quality, glass articles

L11 ANSWER 140 OF 355 USPATFULL  
PI US 4954325 19900904  
TI Composition of synthetic porous crystalline material, its synthesis and use

L11 ANSWER 141 OF 355 USPATFULL  
PI US 4936047 19900626  
TI Method of capturing sulfur in coal during combustion and gasification

L11 ANSWER 142 OF 355 USPATFULL  
PI US 4922048 19900501  
TI Medium-pore zeolite olefinic naphtha by-product upgrading

L11 ANSWER 143 OF 355 USPATFULL  
PI US 4897376 19900130  
TI Process for preparing a catalyst for oxidation of ethylene to ethylene oxide

L11 ANSWER 144 OF 355 USPATFULL  
PI US 4863971 19890905  
TI Synthesis gas conversion with perovskite catalysts

L11 ANSWER 145 OF 355 USPATFULL  
 PI US 4859648 19890822  
 TI Layered metal chalcogenides containing interspathic polymeric chalcogenides

L11 ANSWER 146 OF 355 USPATFULL  
 PI US 4839030 19890613  
 TI Coal liquefaction process utilizing coal/CO.sub.2 slurry feedstream

L11 ANSWER 147 OF 355 USPATFULL  
 PI US 4831108 19890516  
 TI Polycondensation process with mean dispersion residence time

L11 ANSWER 148 OF 355 USPATFULL  
 PI US 4822592 19890418  
 TI Producing alpha alumina particles with pressurized acidic steam

L11 ANSWER 149 OF 355 USPATFULL  
 PI US 4816543 19890328  
 TI Polyurethane system using monotertiary-alkyltoluenediamine as a cross linker

L11 ANSWER 150 OF 355 USPATFULL  
 PI US 4806581 19890221  
 TI Graft polymers of polymerizable monomers and olefin polymers

L11 ANSWER 151 OF 355 USPATFULL  
 PI US 4789389 19881206  
 TI Method for producing ultra-high purity, optical quality, glass articles

L11 ANSWER 152 OF 355 USPATFULL  
 PI US 4786400 19881122  
 TI Method and apparatus for catalytically converting fractions of crude oil boiling above gasoline

L11 ANSWER 153 OF 355 USPATFULL  
 PI US 4781731 19881101  
 TI Integrated method of charge fuel pretreatment and tail gas sulfur removal in a partial oxidation process

L11 ANSWER 154 OF 355 USPATFULL  
 PI US 4778586 19881018  
 TI Viscosity reduction processing at elevated **pressure**

L11 ANSWER 155 OF 355 USPATFULL  
 PI US 4777316 19881011  
 TI Manufacture of distillate hydrocarbons from light olefins in staged **reactors**

L11 ANSWER 156 OF 355 USPATFULL  
 PI US 4761185 19880802  
 TI Rapid starch depolymerization via spray **reactors**

L11 ANSWER 157 OF 355 USPATFULL  
 PI US 4745223 19880517  
 TI Mono-tertiary-alkylated toluenediamine and derivatives

L11 ANSWER 158 OF 355 USPATFULL  
 PI US 4732665 19880322  
 TI High severity catalytic reforming process

L11 ANSWER 159 OF 355 USPATFULL  
 PI US 4709111 19871124  
 TI Oligomerization process with integrated heat utilization

L11 ANSWER 160 OF 355 USPATFULL  
PI US 4670476 19870602  
TI Manganese-spinel catalysts in CO/H.sub.2 olefin synthesis

L11 ANSWER 161 OF 355 USPATFULL  
PI US 4663063 19870505  
TI Alkyl phenol and amino compound compositions and two-cycle engine oils and fuels containing same

L11 ANSWER 162 OF 355 USPATFULL  
PI US 4643025 19870217  
TI System for measuring liquid level in a pressurized vessel

L11 ANSWER 163 OF 355 USPATFULL  
PI US 4640829 19870203  
TI Synthesis of crystalline silicate ZSM-50 using dibenzyltrimethylammonium ions and the product produced

L11 ANSWER 164 OF 355 USPATFULL  
PI US 4636371 19870113  
TI Removal of sulfur oxides from fluid streams

L11 ANSWER 165 OF 355 USPATFULL  
PI US 4622819 19861118  
TI Steam turbine exhaust pipe erosion prevention system

L11 ANSWER 166 OF 355 USPATFULL  
PI US 4615792 19861007  
TI Hydrogen circulation for moving bed catalyst transfer systems

L11 ANSWER 167 OF 355 USPATFULL  
PI US 4611813 19860916  
TI Method of and apparatus for providing an annular seal

L11 ANSWER 168 OF 355 USPATFULL  
PI US 4608153 19860826  
TI Process for the removal of polynuclear aromatic hydrocarbon compounds from admixtures of liquid hydrocarbon compounds

L11 ANSWER 169 OF 355 USPATFULL  
PI US 4604375 19860805  
TI Manganese-spinel catalysts in CO/H.sub.2 olefin synthesis

L11 ANSWER 170 OF 355 USPATFULL  
PI US 4590310 19860520  
TI Process for the preparation of 2,2,2-trifluoroethanol

L11 ANSWER 171 OF 355 USPATFULL  
PI US 4588790 19860513  
TI Method for fluidized bed polymerization

L11 ANSWER 172 OF 355 USPATFULL  
PI US 4587007 19860506  
TI Process for visbreaking resids in the presence of hydrogen-donor materials and organic sulfur compounds

L11 ANSWER 173 OF 355 USPATFULL  
PI US 4584322 19860422  
TI Process for the production of acetic acid from synthesis gas

L11 ANSWER 174 OF 355 USPATFULL  
PI US 4574121 19860304  
TI Metal chelate mercaptan oxidation catalyst

L11 ANSWER 175 OF 355 USPATFULL  
 PI US 4559061 19851217  
 TI Means for synthesis gas generation with control of ratio of steam to dry gas

L11 ANSWER 176 OF 355 USPATFULL  
 PI US 4556477 19851203  
 TI Highly siliceous porous crystalline material ZSM-22 and its use in catalytic dewaxing of petroleum stocks

L11 ANSWER 177 OF 355 USPATFULL  
 PI US 4546819 19851015  
 TI Double wall heat exchanger

L11 ANSWER 178 OF 355 USPATFULL  
 PI US 4544674 19851001  
 TI Cobalt-promoted fischer-tropsch catalysts

L11 ANSWER 179 OF 355 USPATFULL  
 PI US 4544672 19851001  
 TI Cobalt-promoted catalysts for use in Fischer-Tropsch slurry process

L11 ANSWER 180 OF 355 USPATFULL  
 PI US 4537867 19850827  
 TI Promoted iron-cobalt spinel catalyst for Fischer-Tropsch processes

L11 ANSWER 181 OF 355 USPATFULL  
 PI US 4536382 19850820  
 TI Process for the conversion of H.sub.2 S and adjustment of the H.sub.2 /CO ratio in gaseous streams containing hydrogen sulfide, hydrogen, and carbon monoxide

L11 ANSWER 182 OF 355 USPATFULL  
 PI US 4536381 19850820  
 TI Process for the removal of H.sub.2 S and adjustment of the H.sub.2 /CO ratio in gaseous streams containing hydrogen sulfide, carbon monoxide, and hydrogen

L11 ANSWER 183 OF 355 USPATFULL  
 PI US 4523045 19850611  
 TI Process for converting paraffins to olefins

L11 ANSWER 184 OF 355 USPATFULL  
 PI US 4502869 19850305  
 TI Synthesis gas generation process with control of ratio of steam to dry gas

L11 ANSWER 185 OF 355 USPATFULL  
 PI US 4501652 19850226  
 TI Process for selective removal of CCR, arsenic and conjugated diolefins from shale oil

L11 ANSWER 186 OF 355 USPATFULL  
 PI US 4498977 19850212  
 TI Catalytic oxidation of mercaptan in petroleum distillate

L11 ANSWER 187 OF 355 USPATFULL  
 PI US 4498973 19850212  
 TI Multiple-stage catalytic reforming with gravity-flowing dissimilar catalyst particles

L11 ANSWER 188 OF 355 USPATFULL  
 PI US 4487970 19841211  
 TI Cleavage of hydroperoxides

L11 ANSWER 189 OF 355 USPATFULL  
PI US 4480141 19841030  
TI Cleavage of hydroperoxides

L11 ANSWER 190 OF 355 USPATFULL  
PI US 4478793 19841023  
TI Radial flow **reactor** with operating temperature profile

L11 ANSWER 191 OF 355 USPATFULL  
PI US 4476331 19841009  
TI Two stage hydrogenolysis of carbohydrate to glycols using sulfide modified ruthenium catalyst in second stage

L11 ANSWER 192 OF 355 USPATFULL  
PI US 4469524 19840904  
TI Continuous process and apparatus for modifying carbohydrate material

L11 ANSWER 193 OF 355 USPATFULL  
PI US 4459259 19840710  
TI Digital computer operation of a nuclear **reactor**

L11 ANSWER 194 OF 355 USPATFULL  
PI US 4450241 19840522  
TI Endothermic removal of coke deposited on catalytic materials during carbo-metallic oil conversion

L11 ANSWER 195 OF 355 USPATFULL  
PI US 4448675 19840515  
TI Silico-crystal ZSM-48 method of preparing same and catalytic conversion therewith

L11 ANSWER 196 OF 355 USPATFULL  
PI US 4447315 19840508  
TI Hydrocracking process

L11 ANSWER 197 OF 355 USPATFULL  
PI US 4445180 19840424  
TI Plant unit master control for fossil fired boiler implemented with a digital computer

L11 ANSWER 198 OF 355 USPATFULL  
PI US 4436673 19840313  
TI Fluid bed process for preparing phenylphosphonous dichloride

L11 ANSWER 199 OF 355 USPATFULL  
PI US 4430253 19840207  
TI Sulfide-modified ruthenium catalyst

L11 ANSWER 200 OF 355 USPATFULL  
PI US 4428824 19840131  
TI Process for visbreaking resid deasphaltenes

L11 ANSWER 201 OF 355 USPATFULL  
PI US 4425259 19840110  
TI Endothermic removal of coke deposited on catalytic materials during carbo-metallic oil conversion

L11 ANSWER 202 OF 355 USPATFULL  
PI US 4412914 19831101  
TI Endothermic removal of coke deposited on sorbent materials during carbo-metallic oil conversion

L11 ANSWER 203 OF 355 USPATFULL  
PI US 4410731 19831018  
TI Process for the manufacture of methyl mercaptan from carbon oxides

L11 ANSWER 204 OF 355 USPATFULL  
PI US 4409199 19831011  
TI Removal of H.sub.2 S and COS

L11 ANSWER 205 OF 355 USPATFULL  
PI US 4409092 19831011  
TI Combination process for upgrading oil products of coal, shale oil and crude oil to produce jet fuels, diesel fuels and gasoline

L11 ANSWER 206 OF 355 USPATFULL  
PI US 4401402 19830830  
TI Liquid seal lock hoppers and method of utilizing same

L11 ANSWER 207 OF 355 USPATFULL  
PI US 4397827 19830809  
TI Silico-crystal method of preparing same and catalytic conversion therewith

L11 ANSWER 208 OF 355 USPATFULL  
PI US 4396495 19830802  
TI Reduction of foaming in a slurry catalyst hydrocarbon conversion process

L11 ANSWER 209 OF 355 USPATFULL  
PI US 4393259 19830712  
TI Process for conversion of propane or butane to gasoline

L11 ANSWER 210 OF 355 USPATFULL  
PI US 4393171 19830712  
TI Process for preparing rubbery polymer reinforced styrenic resins

L11 ANSWER 211 OF 355 USPATFULL  
PI US 4384157 19830517  
TI Catalytic condensation process with propane product stream

L11 ANSWER 212 OF 355 USPATFULL  
PI US 4380146 19830419  
TI System and method for accelerating and sequencing industrial gas turbine apparatus and gas turbine electric power plants preferably with a digital computer control system

L11 ANSWER 213 OF 355 USPATFULL  
PI US 4367356 19830104  
TI Process for the production of gasoline from C.sub.4 hydrocarbons

L11 ANSWER 214 OF 355 USPATFULL  
PI US 4356077 19821026  
TI Pyrolysis process

L11 ANSWER 215 OF 355 USPATFULL  
PI US 4325807 19820420  
TI Multiple stage hydrocarbon conversion with gravity flowing catalyst particles

L11 ANSWER 216 OF 355 USPATFULL  
PI US 4325806 19820420  
TI Multiple stage hydrocarbon conversion with gravity flowing catalyst particles

L11 ANSWER 217 OF 355 USPATFULL  
PI US 4324936 19820413  
TI Butane isomerization process

L11 ANSWER 218 OF 355 USPATFULL  
PI US 4324644 19820413



TI Pyrolysis process for stabilizing volatile hydrocarbons utilizing a beneficially reactive gas

L11 ANSWER 219 OF 355 USPATFULL  
 PI US 4324643 19820413  
 TI Pyrolysis process for producing condensed stabilized hydrocarbons

L11 ANSWER 220 OF 355 USPATFULL  
 PI US 4324642 19820413  
 TI Pyrolysis process for producing condensed stabilized hydrocarbons utilizing a beneficially reactive gas

L11 ANSWER 221 OF 355 USPATFULL  
 PI US 4324641 19820413  
 TI Pyrolysis process utilizing a beneficially reactive gas

L11 ANSWER 222 OF 355 USPATFULL  
 PI US 4324640 19820413  
 TI Pyrolysis process

L11 ANSWER 223 OF 355 USPATFULL  
 PI US 4324639 19820413  
 TI Pyrolysis process with feed pretreatment

L11 ANSWER 224 OF 355 USPATFULL  
 PI US 4324638 19820413  
 TI Pyrolysis process for stabilizing volatile hydrocarbons

L11 ANSWER 225 OF 355 USPATFULL  
 PI US 4324637 19820413  
 TI Pyrolysis process with feed pretreatment utilizing a beneficially reactive gas

L11 ANSWER 226 OF 355 USPATFULL  
 PI US 4323538 19820406  
 TI Hydrogenation apparatus

L11 ANSWER 227 OF 355 USPATFULL  
 PI US 4323447 19820406  
 TI Coal Liquefaction process employing octahydrophenanthrene-enriched solvent

L11 ANSWER 228 OF 355 USPATFULL  
 PI US 4322284 19820330  
 TI Solvent refining of coal using octahydrophenanthrene-enriched solvent and coal minerals recycle

L11 ANSWER 229 OF 355 USPATFULL  
 PI US 4320016 19820316  
 TI Carbon dioxide-blown overbased calcium alkylphenolate lubricating compositions

L11 ANSWER 230 OF 355 USPATFULL  
 PI US 4312746 19820126  
 TI Catalytic production of octahydrophenanthrene-enriched solvent

L11 ANSWER 231 OF 355 USPATFULL  
 PI US 4308463 19811229  
 TI System and method for operating industrial gas turbine apparatus and gas turbine electric power plants preferably with a digital computer control system

L11 ANSWER 232 OF 355 USPATFULL  
 PI US 4304948 19811208  
 TI Process for conversion of butane to gasoline

L11 ANSWER 233 OF 355 USPATFULL  
PI US 4297245 19811027  
TI Catalyst for the preparation of methane

L11 ANSWER 234 OF 355 USPATFULL  
PI US 4293722 19811006  
TI Process for conversion of propane to gasoline

L11 ANSWER 235 OF 355 USPATFULL  
PI US 4288648 19810908  
TI Process for the oligomerization of ethylene

L11 ANSWER 236 OF 355 USPATFULL  
PI US 4282009 19810804  
TI Rotating fluidized bed gasifier system

L11 ANSWER 237 OF 355 USPATFULL  
PI US 4280893 19810728  
TI Integrated coal conversion process

L11 ANSWER 238 OF 355 USPATFULL  
PI US 4262102 19810414  
TI Polymerization with sublimed chromium catalyst

L11 ANSWER 239 OF 355 USPATFULL  
PI US 4262029 19810414  
TI Apparatus and process for the preparation of gasified confectionaries by pressurized deposit molding

L11 ANSWER 240 OF 355 USPATFULL  
PI US 4250019 19810210  
TI Multiple stage hydrocarbon conversion process

L11 ANSWER 241 OF 355 USPATFULL  
PI US 4250018 19810210  
TI Multiple stage hydrocarbon conversion process

L11 ANSWER 242 OF 355 USPATFULL  
PI US 4243509 19810106  
TI Coal hydrogenation

L11 ANSWER 243 OF 355 USPATFULL  
PI US 4240923 19801223  
TI Process and amine-solvent absorbent for removing acidic gases from gaseous mixtures

L11 ANSWER 244 OF 355 USPATFULL  
PI US 4240922 19801223  
TI Process and amine-solvent absorbent for removing acidic gases from gaseous mixtures

L11 ANSWER 245 OF 355 USPATFULL  
PI US 4237618 19801209  
TI Process for mechanically dewatering sewage sludge

L11 ANSWER 246 OF 355 USPATFULL  
PI US 4233138 19801111  
TI Process for the visbreaking of high-metals crudes and resids

L11 ANSWER 247 OF 355 USPATFULL  
PI US 4229586 19801021  
TI Process for production of motor fuel and phthalate esters or acyclic alcohols

L11 ANSWER 248 OF 355 USPATFULL  
PI US 4218345 19800819  
TI Olefin polymerization catalyst of chromium and process of preparing it

L11 ANSWER 249 OF 355 USPATFULL  
PI US 4218287 19800819  
TI Method of avoiding agglomeration in fluidized bed processes

L11 ANSWER 250 OF 355 USPATFULL  
PI US 4217238 19800812  
TI Process for removing acid gases with hindered amines and amino acids

L11 ANSWER 251 OF 355 USPATFULL  
PI US 4217237 19800812  
TI Process for removing carbon dioxide containing acidic gases from gaseous mixtures using a basic salt activated with a hindered amine

L11 ANSWER 252 OF 355 USPATFULL  
PI US 4217236 19800812  
TI Process and composition for removing carbon dioxide containing acidic gases from gaseous mixtures

L11 ANSWER 253 OF 355 USPATFULL  
PI US 4213847 19800722  
TI Catalytic dewaxing of lubes in **reactor** fractionator

L11 ANSWER 254 OF 355 USPATFULL  
PI US 4209652 19800624  
TI Process for production of motor fuel and phthalate esters or acyclic alcohols

L11 ANSWER 255 OF 355 USPATFULL  
PI US 4208245 19800617  
TI Pyrolysis of spent pulping liquors

L11 ANSWER 256 OF 355 USPATFULL  
PI US 4203830 19800520  
TI Visbreaking process for demetalation and desulfurization of heavy oil

L11 ANSWER 257 OF 355 USPATFULL  
PI US 4200494 19800429  
TI Method of preventing defluidization of carbonaceous particles

L11 ANSWER 258 OF 355 USPATFULL  
PI US 4194964 19800325  
TI Catalytic conversion of hydrocarbons in **reactor** fractionator

L11 ANSWER 259 OF 355 USPATFULL  
PI US 4191844 19800304  
TI Hydrodealkylation process and catalyst

L11 ANSWER 260 OF 355 USPATFULL  
PI US 4178435 19791211  
TI Recovery process for branched polyphenylene

L11 ANSWER 261 OF 355 USPATFULL  
PI US 4175175 19791120  
TI Polyarylene polyethers

L11 ANSWER 262 OF 355 USPATFULL  
PI US 4171270 19791016  
TI Sulfurized overbased calcium alkylphenolate lubricant composition

L11 ANSWER 263 OF 355 USPATFULL  
PI US 4170543 19791009

TI      Electrical insulating oil  
  
 L11    ANSWER 264 OF 355    USPATFULL  
 PI      US 4169799                      19791002  
 TI      Lubricating oil composition  
  
 L11    ANSWER 265 OF 355    USPATFULL  
 PI      US 4169128                      19790925  
 TI      Coal liquefaction apparatus  
  
 L11    ANSWER 266 OF 355    USPATFULL  
 PI      US 4167553                      19790911  
 TI      Catalytic reaction **chamber** for gravity-flowing catalyst particles  
  
 L11    ANSWER 267 OF 355    USPATFULL  
 PI      US 4167474                      19790911  
 TI      Multiple-stage catalytic reforming with gravity-flowing dissimilar catalyst particles  
  
 L11    ANSWER 268 OF 355    USPATFULL  
 PI      US 4165718                      19790828  
 TI      Method and apparatus for feeding condensate to a high **pressure** vapor generator  
  
 L11    ANSWER 269 OF 355    USPATFULL  
 PI      US 4159935                      19790703  
 TI      Conversion of hydrocarbonaceous black oils  
  
 L11    ANSWER 270 OF 355    USPATFULL  
 PI      US 4158026                      19790612  
 TI      Combination process for selected aromatic hydrocarbon production  
  
 L11    ANSWER 271 OF 355    USPATFULL  
 PI      US 4157355                      19790605  
 TI      Combination process for selected aromatic hydrocarbon production  
  
 L11    ANSWER 272 OF 355    USPATFULL  
 PI      US 4147611                      19790403  
 TI      Regeneration of alkali metal sulfides from alkali metal hydrosulfides  
  
 L11    ANSWER 273 OF 355    USPATFULL  
 PI      US 29948                              19790327  
          US 3941871                      19760302 (Original)  
 TI      Crystalline silicates and catalytic conversion of organic compounds therewith  
  
 L11    ANSWER 274 OF 355    USPATFULL  
 PI      US 4142964                      19790306  
 TI      Process for treating a sour petroleum distillate  
  
 L11    ANSWER 275 OF 355    USPATFULL  
 PI      US 4141690                      19790227  
 TI      Catalytic reaction **chamber** for gravity-flowing catalyst particles  
  
 L11    ANSWER 276 OF 355    USPATFULL  
 PI      US 4137274                      19790130  
 TI      Process for motor fuel production by olefin polymerization  
  
 L11    ANSWER 277 OF 355    USPATFULL  
 PI      US 4136021                      19790123  
 TI      Sorbent for heavy metals  
  
 L11    ANSWER 278 OF 355    USPATFULL

PI US 4135886 19790123  
 TI Catalytic reaction **chamber** for gravity-flowing catalyst particles

L11 ANSWER 279 OF 355 USPATFULL  
 PI US 4132627 19790102  
 TI Integrated coal conversion process

L11 ANSWER 280 OF 355 USPATFULL  
 PI US 4128473 19781205  
 TI Catalytic hydrotreating process

L11 ANSWER 281 OF 355 USPATFULL  
 PI US 4120944 19781017  
 TI Preparation of carbonyl sulfide and production of methyl mercaptan therefrom

L11 ANSWER 282 OF 355 USPATFULL  
 PI US 4119527 19781010  
 TI Multiple-stage hydrocarbon conversion with gravity-flowing catalyst particles

L11 ANSWER 283 OF 355 USPATFULL  
 PI US 4119526 19781010  
 TI Multiple-stage hydrocarbon conversion with gravity-flowing catalyst particles

L11 ANSWER 284 OF 355 USPATFULL  
 PI US 4115255 19780919  
 TI Process for hydrogenating a coke-forming hydrocarbon distillate

L11 ANSWER 285 OF 355 USPATFULL  
 PI US 4112051 19780905  
 TI Process and amine-solvent absorbent for removing acidic gases from gaseous mixtures

L11 ANSWER 286 OF 355 USPATFULL  
 PI US 4112050 19780905  
 TI Process for removing carbon dioxide containing acidic gases from gaseous mixtures using a basic salt activated with a hindered amine

L11 ANSWER 287 OF 355 USPATFULL  
 PI US 4110198 19780829  
 TI Process for hydrocracking hydrocarbons

L11 ANSWER 288 OF 355 USPATFULL  
 PI US 4110197 19780829  
 TI Hydrocarbon conversion with gravity-flowing catalyst particles

L11 ANSWER 289 OF 355 USPATFULL  
 PI US 4108837 19780822  
 TI Polyarylene polyethers

L11 ANSWER 290 OF 355 USPATFULL  
 PI US 4104149 19780801  
 TI Multiple-stage hydrocarbon conversion with gravity-flowing catalyst particles

L11 ANSWER 291 OF 355 USPATFULL  
 PI US 4101633 19780718  
 TI Process and composition for removing carbon dioxide containing acidic gases from gaseous mixtures

L11 ANSWER 292 OF 355 USPATFULL  
 PI US 4100257 19780711

TI Process and amine-solvent absorbent for removing acidic gases from gaseous mixtures

L11 ANSWER 293 OF 355 USPATFULL  
PI US 4094957 19780613  
TI Process for removing acid gases with hindered amines and amino acids

L11 ANSWER 294 OF 355 USPATFULL  
PI US 4090982 19780523  
TI Hydrodesulfurization catalyst

L11 ANSWER 295 OF 355 USPATFULL  
PI US 4082649 19780404  
TI Hydrocracking hydrocarbons over tri-metallic catalyst

L11 ANSWER 296 OF 355 USPATFULL  
PI US 4082518 19780404  
TI Additives for motor fuels and lubricants

L11 ANSWER 297 OF 355 USPATFULL  
PI US 4081490 19780328  
TI Hydrocarbon conversion over ZSM-35

L11 ANSWER 298 OF 355 USPATFULL  
PI US 4080397 19780321  
TI Method for upgrading synthetic oils boiling above gasoline boiling material

L11 ANSWER 299 OF 355 USPATFULL  
PI US 4079092 19780314  
TI Hydroprocessing of aromatics to make cycloparaffins

L11 ANSWER 300 OF 355 USPATFULL  
PI US 4072663 19780207  
TI Transfer system for conveying polyester polymer

L11 ANSWER 301 OF 355 USPATFULL  
PI US 4069137 19780117  
TI Hydrogen-producing hydrocarbon conversion with gravity-flowing catalyst particles

L11 ANSWER 302 OF 355 USPATFULL  
PI US 4069136 19780117  
TI Countercurrent hydrocarbon conversion with gravity-flowing catalyst particles

L11 ANSWER 303 OF 355 USPATFULL  
PI US 4069134 19780117  
TI Hydrogen-producing hydrocarbon conversion with gravity-flowing catalyst particles

L11 ANSWER 304 OF 355 USPATFULL  
PI US 4067902 19780110  
TI Mixing two immiscible fluids of differing density

L11 ANSWER 305 OF 355 USPATFULL  
PI US 4065514 19771227  
TI Preparation of methane

L11 ANSWER 306 OF 355 USPATFULL  
PI US 4062801 19771213  
TI Catalyst regeneration method

L11 ANSWER 307 OF 355 USPATFULL  
PI US 4062762 19771213

TI Process for desulfurizing and blending naphtha

L11 ANSWER 308 OF 355 USPATFULL  
 PI US 4057402 19771108  
 TI Coal pretreatment and gasification process

L11 ANSWER 309 OF 355 USPATFULL  
 PI US 4051717 19771004  
 TI Testing shaft seals without pressuring system to operating  
**pressure**

L11 ANSWER 310 OF 355 USPATFULL  
 PI US 4048057 19770913  
 TI Integrated heavy oil cracking process utilizing catalyst separated from  
 cracking in pretreating zone

L11 ANSWER 311 OF 355 USPATFULL  
 PI US 4045500 19770830  
 TI Preparation of ethylene glycol

L11 ANSWER 312 OF 355 USPATFULL  
 PI US 4044904 19770830  
 TI Method of feeding particles from a first region to a second region

L11 ANSWER 313 OF 355 USPATFULL  
 PI US 4043471 19770823  
 TI Method of particle feeding

L11 ANSWER 314 OF 355 USPATFULL  
 PI US 4039431 19770802  
 TI Particulate material distributor and method involving use of same

L11 ANSWER 315 OF 355 USPATFULL  
 PI US 4029868 19770614  
 TI Tetrafluoroethylene terpolymers

L11 ANSWER 316 OF 355 USPATFULL  
 PI US 4022839 19770510  
 TI Recovery of aluminum from ethylene telomer product

L11 ANSWER 317 OF 355 USPATFULL  
 PI US 4019869 19770426  
 TI Combination **reactor**-separator apparatus

L11 ANSWER 318 OF 355 USPATFULL  
 PI US 4018672 19770419  
 TI Hydrodesulfurization catalyst and process utilizing the same

L11 ANSWER 319 OF 355 USPATFULL  
 PI US 4013548 19770322  
 TI Hydroprocessing of hydrocarbons

L11 ANSWER 320 OF 355 USPATFULL  
 PI US 4009096 19770222  
 TI Hydroprocessing of hydrocarbons

L11 ANSWER 321 OF 355 USPATFULL  
 PI US 4003954 19770118  
 TI Hydroprocessing aromatics to make cycloparaffins

L11 ANSWER 322 OF 355 USPATFULL  
 PI US 4001085 19770104  
 TI Immobilization of enzymes on an inorganic matrix

L11 ANSWER 323 OF 355 USPATFULL

PI US 3997430 19761214  
 TI Hydrodesulfurization process involving blending high boiling streams

L11 ANSWER 324 OF 355 USPATFULL  
 PI US 3994978 19761130  
 TI Hydroformylation of olefins

L11 ANSWER 325 OF 355 USPATFULL  
 PI US 3993457 19761123  
 TI Concurrent production of methanol and synthetic natural gas

L11 ANSWER 326 OF 355 USPATFULL  
 PI US 3992464 19761116  
 TI Hydroprocessing aromatics to make cycloparaffins

L11 ANSWER 327 OF 355 USPATFULL  
 PI US 3988236 19761026  
 TI Process for the continuous hydrocarbonization of coal

L11 ANSWER 328 OF 355 USPATFULL  
 PI US 3985820 19761012  
 TI Cracking process

L11 ANSWER 329 OF 355 USPATFULL  
 PI US 3974100 19760810  
 TI Steam-activated olefin disproportionation catalysts

L11 ANSWER 330 OF 355 USPATFULL  
 PI US 3970544 19760720  
 TI Hydrocarbon conversion with ZSM-12

L11 ANSWER 331 OF 355 USPATFULL  
 PI US 3959367 19760525  
 TI Oxidation of halo-olefins

L11 ANSWER 332 OF 355 USPATFULL  
 PI US 3941871 19760302  
 TI Crystalline silicates and method of preparing the same

L11 ANSWER 333 OF 355 USPATFULL  
 PI US 3940330 19760224  
 TI Two stage metal-containing oil hydrodesulfurization process employing an activated alumina supported catalyst in each stage

L11 ANSWER 334 OF 355 USPATFULL  
 PI US 3931503 19760106  
 TI System for operating a boiling water **reactor** steam turbine power plant utilizing dual analog throttle **pressure** controllers

L11 ANSWER 335 OF 355 USPATFULL  
 PI US 3931500 19760106  
 TI System for operating a boiling water **reactor** steam turbine plant with a combined digital computer and analog control

L11 ANSWER 336 OF 355 USPATFULL  
 PI US 3930988 19760106  
 TI Reclaiming used motor oil

L11 ANSWER 337 OF 355 USPATFULL  
 PI US 3929421 19751230  
 TI Tubular catalytic **reactor** with premixing means for multiple reactants of different densities

L11 ANSWER 338 OF 355 USPATFULL



PI US 3925025 19751209  
TI Ring-flanged slip-joint for a **reactor** system

L11 ANSWER 339 OF 355 USPATFULL  
PI US 3923637 19751202  
TI Hydrodesulfurization process with a portion of the feed added downstream

L11 ANSWER 340 OF 355 USPATFULL  
PI US 3918930 19751111  
TI Countercurrent catalytic contact of a reactant stream in a multiple-stage process and the apparatus therefor

L11 ANSWER 341 OF 355 USPATFULL  
PI US 3907511 19750923  
TI Apparatus for countercurrent catalytic contact of a reactant stream in a multiple-stage process

L11 ANSWER 342 OF 355 USPATFULL  
PI US 3904386 19750909  
TI Combined shift and methanation reaction process for the gasification of carbonaceous materials

L11 ANSWER 343 OF 355 USPATFULL  
PI US 3898439 19750805  
TI System for operating industrial gas turbine apparatus and gas turbine electric power plants preferably with a digital computer control system

L11 ANSWER 344 OF 355 USPATFULL  
PI US 3891404 19750624  
TI Heavy oil hydrogasification process

L11 ANSWER 345 OF 355 USPATFULL  
PI US 3890432 19750617  
TI Catalytic hydrogen manufacture

L11 ANSWER 346 OF 355 USPATFULL  
PI US 3888940 19750610  
TI Steam-activated olefin disproportionation catalysts

L11 ANSWER 347 OF 355 USPATFULL  
PI US 3882015 19750506  
TI Countercurrent catalytic contact of a reactant stream in a multi-stage process and the apparatus therefor

L11 ANSWER 348 OF 355 USPATFULL  
PI US 3875125 19750401  
TI Sorbent for heavy metals

L11 ANSWER 349 OF 355 USPATFULL  
PI US 3853970 19741210  
TI VINYL CHLORIDE GRAFT POLYMERS AND PROCESS FOR PREPARATION THEREOF

L11 ANSWER 350 OF 355 USPATFULL  
PI US 3852187 19741203  
TI HYDRODESULFURIZATION PROCESS FOR PRODUCING FUEL OIL AND FCC FEED

L11 ANSWER 351 OF 355 USPATFULL  
PI US 3852186 19741203  
TI COMBINATION HYDRODESULFURIZATION AND FCC PROCESS

L11 ANSWER 352 OF 355 USPATFULL  
PI US 3852185 19741203  
TI HYDRODESULFURIZATION AND FCC OF BLENDED STREAM CONTAINING COKER GAS OIL

L11 ANSWER 353 OF 355 USPATFULL

PI US 3755153 19730828  
TI OLEFIN SEPARATION PROCESS USING COPPER-EXCHANGED TYPE X ZEOLITE

L11 ANSWER 354 OF 355 USPATFULL  
PI US 3728415 19730417  
TI PRODUCTION OF N-BUTENES FROM ETHYLENE

L11 ANSWER 355 OF 355 USPATFULL  
PI US 3719749 19730306  
TI HYDROGEN PRODUCTION